

11/12/2008

DESCRIPTION AMENDMENTS

Rewrite the paragraph beginning on page 6, line 14, to read as follows:

In view of the above, it will be appreciated that the modified wheelbarrow 10a incorporates a relatively lightweight drive mechanism comprising the electric motor (not shown), a battery 20 secured within a box 19 and a mechanical coupling ~~mechanism~~ mechanism 100 between the electric motor and the wheel 13 encased within a casing 14. Electrical wiring 24 is provided to enable a switch 22 to activate the electric motor and then through a drive shaft to a gearbox within the mechanical coupling to the wheel 13 drive a chain or belt to the wheel 13 in order to turn that wheel 13 as required.

Rewrite the paragraph beginning on page 7, line 26, to read as follows:

Preferably, in accordance with the present invention the switch 22 will be manually operated such that power assistance through the electric motor and drive mechanism will only be provided when required by an operator. However, through appropriate control ~~circuitry~~ circuitry 300 it may be possible to monitor wheelbarrow operation in terms of speed, load placed within the container 11 or angle of travel such that electrical power of varying levels may be provided in order to assist the operator automatically when required. Such automatic operation may be switched into action by a permanent switch associated with the wheelbarrow 10a.

Rewrite the paragraph beginning on page 8, line 4, to read as follows:

In Fig. 3 a side view of the casing 14 is depicted. This casing 14 supports and covers the drive train shown in and described later with regard to Fig 5. A flat plate 15, is welded or bolted to the casing 14. The casing 14 has a hole 26, for a drive shaft of a ~~gearbox (not shown)~~ gearbox 200 which is connected to the electric motor 17, (see Fig. 4). A larger hole 27 is for the drive shaft to pass through for the wheel 13 (Fig. 1). A cover plate 28, is held in place by nine screws 29.

Rewrite the paragraph beginning on page 9, line 16, to read as follows:

The drive ~~meechanism~~ mechanism 100 in accordance with the present invention should be relatively lightweight and easily installed and/or detached. In such circumstances a simple cog to cog belt or chain coupling will be advantageous. However, as indicated above, it will be appreciated that wheelbarrow operation may vary from relatively light domestic gardening duties to more heavyweight building duties such that by use of differing sized drive cogs associated with the electric motor and driven cog associated with the wheel, different degrees of mechanical advantage may be provided in order that the wheel is driven appropriately dependent upon the expected loadings placed upon that wheel.

Rewrite the paragraph beginning on page 9, line 29, to read as follows:

Fig. 5 shows the drive ~~meechanism~~ mechanism 100 from the electric motor 17 depicted in Fig. 4, to the wheelbarrow wheel 13, Fig 1. The mechanism consists of a sprocket cog 34, which is fitted onto the drive shaft of the gearbox fitted to the electric motor, and a larger sprocket cog 32, which is secured to the wheel 13, of the wheelbarrow. A chain 35, is used to make the drive connection between the cogs 32, 34. When the electrical circuit is made, Fig 2, by the operator lifting the wheelbarrow using the handles 13, Fig 1, and pressing the switch 22, the electric motor 17, drives the chain 35 to turn the cogs 32, 34 and so move the wheelbarrow forward. This will occur whilst the battery is charged.